

February 1, 2000

File 351:DERWENT WPI 1963-2000/UD=, UM=, & UP=200005

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Set Items Description

?s pn=fr 2736354

S1 1 PN=FR 2736354

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DIALOG(R)File 351:DERWENT WPI

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WPI Acc No: 97-111571/199711

XRAM Acc No: C97-035612

Prepn. of ester(s) of cinnamic acid and derivs. - by direct reaction of carboxylic acid and alcohol in presence of lipase acting as carboxyl-esterase, solvents and catalysts

Patent Assignee: PROSPECTION FILIERE LIPIDES ASSOC LOI 19 (PROS-N)

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Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
FR 2736354	A1	19970110	FR 958213	A	19950703	C07C-069/734	199711 B

Priority Applications (No Type Date): FR 958213 A 19950703

Patent Details:

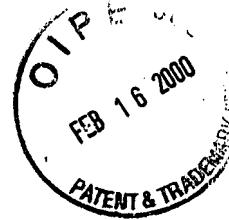
Patent	Kind	Lan Pg	Filing Notes	Application	Patent
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FR 2736354	A1	15
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Abstract (Basic): FR 2736354 A

Esters of formula (I) are prep'd. by direct reaction of a carboxylic acid of formula (II) with an alcohol R'OH, in presence of a lipase acting as carboxylesterase. R1-R5 = H, OH, halo (pref. F), an ether gp. (pref. methyl or ethyl ether), or an opt. substd. C chain; R' = opt. unsatd. C chain, opt. carrying an aromatic ring.

USE - (I) are esp. used in cosmetics, e.g. esters of 4-methoxycinnamic acid are used as UV filters in sun creams. A further application is in perfumery, and esters of caffeic acid or ferulic acid are antioxidants.



ADVANTAGE - The process is cheap, uses natural prods. and avoids solvents and/or toxic catalysts.

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Title Terms: PREPARATION; ESTER; CINNAMIC; ACID; DERIVATIVE; DIRECT; REACT;

CARBOXYLIC; ACID; ALCOHOL; PRESENCE; LIPASE; ACT; CARBOXYL; ESTERASE;

SOLVENT; CATALYST

Derwent Class: D16; D21; D23; E14

International Patent Class (Main): C07C-069/734

International Patent Class (Additional): C07C-069/618; C07C-069/732

File Segment: CPI

Manual Codes (CPI/A-N): D05-H; D08-B; D08-B09A; D10-A05C; E10-E02A; E10-E02C1; E10-G02A1; N06

Chemical Fragment Codes (M3):

01 G010 G020 G021 G033 G036 G037 G040 G111 G221 G561 H401 H402 H403
H404 H461 H462 H463 H464 H561 H562 H563 H600 H601 H608 H609 H661
H662 H663 H7 H721 J0 J011 J2 J271 M210 M211 M212 M213 M214 M215 M216
M220 M221 M222 M223 M224 M225 M226 M231 M232 M233 M240 M272 M281
M282 M283 M311 M312 M313 M314 M315 M316 M321 M322 M331 M332 M333
M340 M342 M372 M373 M391 M414 M415 M510 M520 M530 M531 M541 M720
M903 M904 N241 N341 N513 Q263 9711-A8001-P

Generic Compound Numbers: 9711-A8001-P

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